

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**

TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT</u> TOLEDO SUBURBAN	<u>AIRPORT ID</u> KDUH	<u>PROCEDURE NAME</u> RNAV (GPS)-A	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> LAMBERTVILLE	<u>STATE</u> MI
<u>AIRPORT ELEVATION</u> 671	<u>TDZE</u>	<u>SUPERSEDED</u> RNAV (GPS)-A	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 05/24/2018	<u>MAG VAR</u> 7W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 JANUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
WTRVL	IF/IAF	TAINT		TF	FB	1.00	004.43	12.00	2500
TAINT	FAF	MAKAF	MAP	TF	FB	0.30	004.42	5.07	
MAKAF	MAP	1071 MSL		CA			004.42		
1071 MSL		WTRVL		DF	FO	1.00			2500

MISSED APPROACH

MAP:
MAKAF

MISSED APPROACH INSTRUCTIONS:

CLIMBING LEFT TURN TO 2500 DIRECT WTRVL AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- HOLD S WTRVL, RT, 004.43 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC:** 004.42 **FAF:** TAINT **DIST FAF TO MAP:** 5.07 **DIST FAF TO THLD:**
- MIN ALT:** WTRVL 2500, TAINT 2500
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:**
- MIN GP INCPT:** **GP ALT AT FAF :** **OM:** **MM:** **IM:**
- GP ANGLE:** **34:1:** IS NOT CLEAR **20:1:** IS NOT CLEAR **TCH:**
- MSA FROM:** MAKAF 3100

PBN REQUIREMENTS NOTE:

RNP APCH



NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART 848 TOWER 413917N/0834000W.
FAC CROSSES MIDPOINT OF RWY 9-27.
CHART CIRCLING ICON.
CHART FAS OBST: 819 TOWER 414223N/0833949W.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA STANDARD

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
CIRCLING	1180	1	509	1180	1	509	1180	1 1/2	509		NA				

CHANGES - REASONS

1. REPLACED ALL REFERENCE OF WATERVILLE VOR/DME WITH WTRVL - WATERVILLE VOR/DME BEING DECOMMISSIONED AS PART OF VOR-MON NATIONAL INITIATIVES.
2. REMOVED EQUIPMENT REQUIRMENTS NOTE: RADAR REQUIRED FOR PROCEDURE ENTRY - NOT REQUIRED FOR RNAV PROCEDURES.



COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZOB, TOL ATCT, TOL APP CTRL, AMGR

FLIGHT CHECKED BY

GLEN B FREEMAN

Digitally signed by
ROBERT G HAMILTON
Nov 14, 2018

OFFICE

FICO

DATE

11/13/18

DEVELOPED BY

LONNIE EVERHART (KELLY CARLSON)

Digitally signed by
ROBERT G HAMILTON
Nov 14, 2018

OFFICE

AJV-5400

DATE

08/23/2018

APPROVED BY

LONNIE EVERHART

Digitally signed by
ROBERT G HAMILTON
Nov 14, 2018

OFFICE

AJV-5400

DATE

TITLE
MANAGER

